IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Brenda F. Baker and Susan M. Freier

Antisense Modulation of Interleukin 8 Expression

Washington DC 20231

BOX SEQUENCE Assistant Commissioner for Patents 8-16-04

PATENT APPLICATION TRANSMITTAL LETTER

Transmitted herewith for filing, please find the following:

- · The specification of the above-referenced patent application;
- · An executed Declaration or Oath and Power of Attorney;
- · An Assignment of the invention to Isis Pharmaceuticals Inc. with recordation cove sheet (PTO Form PTO-1595) and \$40.00 cover fee;
- · Statement to Support Filing and Submission of DNA/Amino Acid Sequences in Accordance with 37 CFR § § 1.821 through 1.825;
- Sequence listing in computer readable form in accordance with 37 C.F.R. § 1.821(e);
- · An Information Disclosure Statement with references; and
- Applicant claims small entity status pursuant to 37 CFR § 1.27.

The filing fee has been calculated as shown below:

For:	No. Filed	No. Extra	Rate	Fee
BASE FEE			1000	\$355.00
Total Claims	20 - 20 =	0	X \$9=	\$0
Indep. Claims	2 - 3 =	0	x\$40=	\$0.
TOTAL				\$ 355.00

The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 500252:

- · the amount of \$395.00 for the above listed fees;
- · payment of the following fees associated with this communication or credit any overpayment;
- · any additional filing fees required under 37 CFR 1.16 including fees for presentation of extra claims; and
- · any additional patent application processing fees under 37 CFR 1.17 and under 37 CFR 1.20 (d).

Triplicate copies of this transmittal are enclosed.

Registration No. 37,280 Isis Pharmaceuticals, Inc.

Please address all correspondence to:

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